

TB Medication Lab Work and Monitoring

MSRM 140301.04

Attachment B

(1/15)

Medication	Tests required	Frequency
INH (isoniazid)	LFT or CMP	At baseline and when 1 month therapy has been completed. If either reveals elevated liver enzymes and/or bilirubin, repeat LFT or CMP monthly until normal or stable If offender has documented viral hepatitis, perform at baseline and monthly for the duration of therapy (or give preventive therapy with 120 daily doses of Rifampin)
Rifamycins: RMP (rifampin), rifabutin and rifapentine	LFT or CMP and CBC	LFT or CMP at baseline and when 1 month therapy has been completed. If either reveals elevated liver enzymes and/or bilirubin, repeat LFT or CMP monthly until normal or stable CBC at baseline and when 1 month therapy has been completed. If either reveals neutropenia and/or thrombocytopenia, repeat CBC monthly until WBC and /or platelet count is normal or stable
EMB (ethambutol)	Visual acuity and color vision testing	At baseline and monthly for the duration of Ethambutol therapy. Visual acuity should be tested with a Snellen chart. Color vision is best evaluated by using Ishihara plates (although simply determining if offender has good red-green discrimination can be done if Ishihara plates are not available
PZA (pyrazinamide)	LFT or CMP	LFT or CMP baseline and when 1 month therapy has been completed. If either reveals elevated liver enzymes and/or bilirubin, repeat LFT or CMP monthly until normal or stable
Ethionamide	LFT or CMP and TSH (thyroid stimulating hormone)	LFT or CMP at baseline and when 1 month therapy has been completed. If either reveals elevated liver enzymes and/or bilirubin, repeat LFT or CMP monthly until normal or stable TSH at baseline and monthly for the duration of therapy
Aminoglycosides: Streptomycin. Amikacin, Capreomycin, Kanamycin	Audiogram Renal function tests (serum creatinine and creatinine clearance) Clinical Vestibular Testing (Romberg test, heel-to-toe walking)	All tests should be performed at baseline and monthly for the duration of aminoglycoside therapy
Anticonvulsants (phenytoin or carbamazepine) while taking INH and/or rifampin	Serum drug levels	Baseline and monthly phenytoin or carbamazepine levels until stability has been documented
Orally- administered anticoagulants (warfarin or coumadin) while taking INH and/or rifampin	Prothrombin time (PT) and International Normalized Ratio (INR)	Baseline and monthly PT and INR until stability has been documented